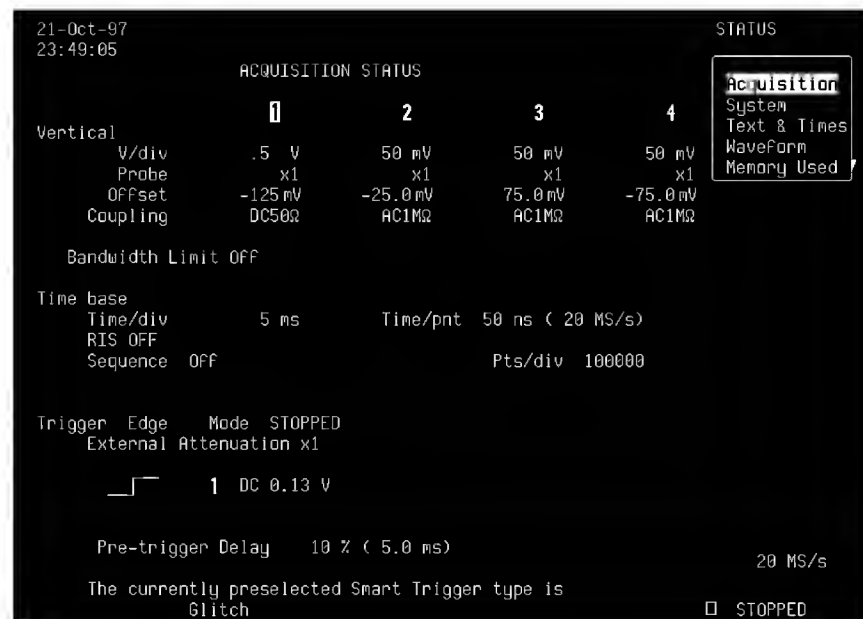# The Complete Picture, Summarized

Press [ ] to summon the "STATUS" menu and access full-screen summaries of the oscilloscope's system and other functional status.

Acquisition Status

Vertical sensitivity, probe attenuation, offset and coupling for each channel, as well as timebase and trigger status summaries.

```
21-Oct-97                                                    STATUS
23:49:05
                    ACQUISITION STATUS
                                                         ┌──────────┐
                      1        2        3        4       │Acquisition│
Vertical                                                 │System    │
                                                         │Text & Times│
    V/div          .5  V    50 mV    50 mV    50 mV      │Waveform  │
    Probe            x1       x1       x1       x1       │Memory Used│
    Offset       -125 mV  -25.0 mV  75.0 mV  -75.0 mV    └──────────┘
    Coupling      DC50Ω    AC1MΩ    AC1MΩ    AC1MΩ

  Bandwidth Limit Off


Time base
    Time/div        5 ms       Time/pnt  50 ns ( 20 MS/s)
    RIS OFF
    Sequence  Off                        Pts/div  100000


Trigger  Edge    Mode  STOPPED
         External Attenuation x1


        _┌─   1  DC 0.13 V


    Pre-trigger Delay    10 % ( 5.0 ms)
                                                          20 MS/s
    The currently preselected Smart Trigger type is
             Glitch                               □  STOPPED
```

System

Scope serial number, firmware version, and software and hardware options installed. The "MORE VERSION INFORMATION" menu is used to perform a cyclic redundancy check (CRC) of the internal firmware and will generate a checksum that can be used to ensure the firmware is uncorrupted.

```
21-Oct-97                                                STATUS
23:49:14
                                                      ┌──────────────┐
                                                      │ Acquisition  ▶│
Serial Number 935401930                               │ System       │
                                                      │ Text & Times │
Soft Version   9354CL  07.5.1                         │ Waveform     │
     Thursday, September 04, 1997 11:07 AM            │ Memory Used  ▶│
     (build 5)                                        └──────────────┘

Soft Options
    WP01   WP02   WP03   DDM   CKIO   PRML   ORM   DDFA
    MATE   MC01   S011   S012


Hard Options                                          ┌──────────────┐
    GPIB   R232   CLBZ   FD01   GP01   CENT   HD01   CPU3  │ MORE VERSION │
    I2C                                               │ INFORMATION  │
                                                      └──────────────┘



Main Processor RAM size:   16M bytes
Acquisition Memory size:    2M data points per channel

                                                              20 MS/s

                                                        □  STOPPED
```

Text & Times

User text in the waveform descriptor* and trigger timing information (four-channel menu shown in this example). And when "Text & Times" is selected the "for" and "Select" menus shown here also appear, allowing a trace or memory to be selected and a segment range to be specified for information.

```
21-Oct-97                                                      STATUS
23:51:14
                                                          ┌─────────────┐
      for                                                 │ Acquisition │
   waveform                                               │ System      │
      1                                                    │ Text & Times│
                                                          │ Waveform    │
Segment      Time           since Segment 1  between Segments │ Memory Used │
                                                          └─────────────┘
     1)  21-Oct-1997 23:50:54
     2)  21-Oct-1997 23:50:54         5.999984 ms
     3)  21-Oct-1997 23:50:54        11.999968 ms      5.999984 ms
     4)  21-Oct-1997 23:50:54        17.999952 ms      5.999984 ms
     5)  21-Oct-1997 23:50:54        23.999936 ms      5.999984 ms
     6)  21-Oct-1997 23:50:54        29.999919 ms      5.999984 ms
     7)  21-Oct-1997 23:50:54        35.999903 ms      5.999984 ms   ┌─for─┐
     8)  21-Oct-1997 23:50:54        41.999887 ms      5.999984 ms   │1  2  3  4│
     9)  21-Oct-1997 23:50:54        47.999871 ms      5.999984 ms   │A  B  C  D│
    10)  21-Oct-1997 23:50:54        53.999855 ms      5.999984 ms   │M1 M2 M3 M4│
    11)  21-Oct-1997 23:50:54        59.999838 ms      5.999984 ms   │         │
    12)  21-Oct-1997 23:50:54        65.999822 ms      5.999984 ms   └─────────┘
    13)  21-Oct-1997 23:50:54        71.999806 ms      5.999984 ms   ┌─Select──┐
    14)  21-Oct-1997 23:50:54        77.999789 ms      5.999984 ms   │ segment │
    15)  21-Oct-1997 23:50:54        83.999773 ms      5.999984 ms   │(1 -  50)│
    16)  21-Oct-1997 23:50:54        89.999757 ms      5.999984 ms   └─────────┘
    17)  21-Oct-1997 23:50:54        95.999740 ms      5.999984 ms
    18)  21-Oct-1997 23:50:54       101.999724 ms      5.999984 ms      5 MS/s
    19)  21-Oct-1997 23:50:54       107.999708 ms      5.999983 ms        50 x
    20)  21-Oct-1997 23:50:54       113.999691 ms      5.999984 ms□  STOPPED
```

---

* Refer to the *Remote Control Manual.*

Waveform

Detailed status information on channels, memories, zoom and math or displayed traces, specified using the bottom menu, which appears when "Waveform" is selected from the top.

```
21-Oct-97                                                           STATUS
23:52:19
WAVEFORM            ☐          2          3          4          ┌──────────────┐
                                                                │ Acquisition ▶│
Trigger date  21-Oct-1997 21-Oct-1997 21-Oct-1997 21-Oct-1997  │ System       │
       time     23:50:54    23:50:54    23:50:54    23:50:54    │ Text & Times │
        For      0.29 s      0.29 s      0.29 s      0.29 s      │ Waveform     │
                                                                │ Memory Used ▶│
Vertical                                                        └──────────────┘
   Scale/div     100 mV      0.50 V      50 mV       50 mV
   Offset        -256 mV    -0.25 V      75 mV      -75 mV
   Coupling      DC50Ω       AC1MΩ       AC1MΩ       AC1MΩ
   BW-Limit      OFF         OFF         OFF         OFF

Horizontal
   Scale/div     0.50 ms     0.50 ms     0.50 ms     0.50 ms    ┌──────────────┐
   Offset       10.0 % Pre  10.0 % Pre  10.0 % Pre  10.0 % Pre  │ Channels     │
   Scale/pnt     0.20 µs     0.20 µs     0.20 µs     0.20 µs     │ Zoom+Math    │
   Pnts/div      2500        2500        2500        2500        │ Memories     │
                                                                │ Displayed    │
Record Type      SINGLE      SINGLE      SINGLE      SINGLE      └──────────────┘
Segments         50          50          50          50
Sweeps

                                                                        5 MS/s
                                                                         50 x
                                                              ☐ STOPPED
```
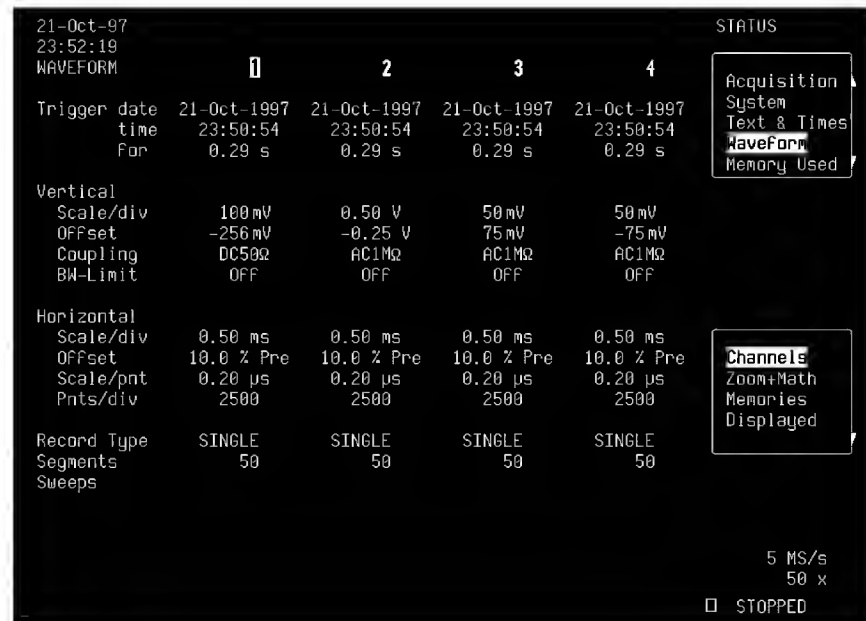
Memory Used

Shows how much memory is being used and how much remains free. Memory allocation: memories M1–4 can be selected and then cleared using the "CLEAR INACTIVE" menu. The dedicated persistence data maps for each channel are dynamically created, resized and deleted as necessary. The allocation of memory to each of these data maps will appear in this menu. Persistence data maps are cleared using the CLEAR SWEEPS button.

```
21-Oct-97                                                STATUS
23:53:31
                                                      ┌──────────────┐
    Memory used for storage of records                │Acquisition  ▶│
                                                      │System        │
    name             bytes                             │Text & Times  │
                                                      │Waveform      │
    A                    568 inactive                  │Memory Used   │
    B                 50 048 inactive                 └──────────────┘
    M1             2 500 892
    M4                50 108                           ┌──────────────┐
    Free           9 920 824                           │ CLEAR M1     │
    Total         12 522 440                           │              │
                                                      └──────────────┘

                                                         M2 empty

                                                         M3 empty

                                                      ┌──────────────┐
                                                      │ CLEAR M4     │
                                                      └──────────────┘
    To free some memory, you can                      ┌──────────────┐
    . clear Memory waveforms                           │ CLEAR        │
    . reduce the number of points used for Math (MATH SETUP)  │ INACTIVE     │
    . reduce the number of samples in the Record (TIMEBASE SETUP)  └──────────────┘
    . turn off traces or parameters
                                                         5 MS/s

                                                      □ STOPPED
```